

Claims

1. A method of making a rotationally symmetric body, particularly an annulus (1) for a planet gear carrier, said annulus comprising a tooth profile (2) and/or additional elements (3), and said method being a non-cutting shaping method comprising: working the tooth profile (2) and/or the additional elements (3) into a sheet metal strip (4), cutting the sheet metal strip (4) into desired lengths before or after working in the tooth profile (2) and/or the additional elements (3), bending round the sheet metal strip (4) to form a rotationally symmetric body and fixing the ends of the sheet metal strip (4) to each other.
2. A method according to claim 1, **characterized in that** the tooth profile (2) and/or the additional elements (3) are made by rolling, stamping and/or forming.
3. A method according to claim 1, **characterized in that** the rolling, stamping or forming tool is designed so that, after the bending of the sheet metal strip (4), the tooth profile (2) and/or the additional elements (3) have the desired profile shape and/or the additional elements are in the intended position.
4. A method according to claim 1, **characterized in that** the ends of the sheet metal strip (4) are welded together.
5. A method according to claim 1, **characterized in that** mating elements are formed integrally on the ends of the sheet metal strip (4) and are inserted into each other during and/or after the bending step.

6. A method according to claim 5, **characterized in that** the elements on the ends of the sheet metal strip (4) are made at the same time as the stamping or shaping of the sheet metal strip or when cutting the sheet metal strip into desired lengths.
7. A method according to one of the claims 5 or 6, **characterized in that** the elements are configured as hook-shaped and/or T-shaped projections on one end of the sheet metal strip (4) and as corresponding recesses on the other end (clinch connection).
8. A method according to one of the claims 5 to 7, **characterized in that** the ends of the sheet metal strip (4) are welded to each other at least between the elements.